

TITLE

DNA AND AMINO ACID SEQUENCES OF A TYROSINE
AMMONIA LYASE ENZYME FROM THE BACTERIUM *RHODOBACTER*
SPHAEROIDES

5 ABSTRACT OF THE DISCLOSURE

A novel tyrosine ammonia lyase enzyme was identified in the
bacterium *Rhodobacter sphaeroides*. This enzyme has a higher activity
for tyrosine than for phenylalanine and is useful for the production of para-
hydroxycinnamic acid directly from tyrosine. The gene encoding this
10 enzyme was cloned by direct amplification using the genomic DNA and
was expressed in *E. coli*.

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SNF/dmm